

WHAT IS CLAIMED IS:

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~~XAI~~ 1. A document editing system for editing a document in a computer, comprising:

document area management means for discriminating a plurality of document areas specified within an arbitrary area of the document and managing the document areas along with attributes assigned thereto;

tag management means for managing generation and deletion of a tag pair including a start tag and an end tag, which uniquely correspond to each other and specify a document area; and

document editing means for editing a character sequence provided in the document while information about the specified document area within the document is retained or updated.

2. The document editing system as claimed in claim 1, wherein said plurality of document areas comprise a plurality of types of document areas.

3. The document editing system as claimed in claim 1, further comprising:

link management means for performing management operation so as to relate one or a plurality of documents to the specified document area and passing information about the link to said document area management means; and

linked document output means for outputting the document linked by said link management means, by reference to information about the document area managed by said document area management means.

4. The document editing system as claimed in claim 1, wherein said plurality of document areas comprise a plurality

of document areas specified within the entirety of the document or arbitrary portions thereof; and

wherein said system further comprises:

display format management means for managing an arbitrary display format assigned to the document area managed by said document management means; and

document output means for outputting the document managed by said document area management means, in an arbitrary expression format provided in said display format management means.

5. The document editing system as claimed in claim 1, further comprising:

processing interface management means for performing management operation so as to relate an arbitrary process to the specified document area such that a trigger for executing the process is set for the specified document, as well as to pass information about the link to said document area management means; and

a processing library for storing, such as a library, the arbitrary processes linked to the specified document area by said processing interface management means.

6. A method of preparing a tag information management table for editing a document, said method comprising the steps of:

determining whether or not an arbitrary character string within a document is selected;

if it is determined in said determining step that the character string is selected, acquiring information about the

kind of tags assigned to a document area and information about the position of a start tag and that of an end tag;

assigning nonoverlapping tag IDs to the respective tag information pieces acquired in said acquiring step; and

storing into a tag information management table for use in editing a document, a link between the tag IDs assigned to the tags in said assigning step and the tag information pieces acquired in said acquiring step.

7. A document editing system for editing a document in a computer, comprising:

a tag management module including a tag setting module which sets a start tag and an end tag at a start portion and an end portion of an arbitrary area in a document, respectively and storing information on said start tag and said end tag for setting; and

a document management module which manages said start tag and said end tag when preparing or editing a character sequence in the document and manages the entire document.

8. A method of editing a document in a computer, comprising the steps of:

storing information on a start tag and an end tag for setting;

setting said start tag and said end tag at a start portion and an end portion of an arbitrary area in a document according to the information stored in said storing step; and

managing said start tag and said end tag when preparing or editing a character sequence in the document and managing the entire document.

9. A medium for storing a document which is readable by a computer, comprising:

a portion for storing a plurality of document information formed by a character string, document attribute information for specifying an arbitrary portion of the document information, link information set at a portion of first document information and related to a portion of second document information; and

a portion for managing the link information and the document attribute information.

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